

## INTERNATIONAL SEARCH REPORT

Int'l Application No  
PCT/IB 03/02764A. CLASSIFICATION OF SUBJECT MATTER  
IPC 7 H05B41/292

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)  
IPC 7 H05B

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the International search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

| Category <sup>a</sup> | Citation of document, with indication, where appropriate, of the relevant passages   | Relevant to claim No.        |
|-----------------------|--|------------------------------|
| A                     | EP 0 825 807 A (MATSUSHITA ELECTRIC IND CO LTD) 25 February 1998 (1998-02-25)<br>page 3, line 3 - line 30<br>page 8, line 37 -page 9, line 12; figures 1-3<br>-----<br>US 6 232 725 B1 (FISCHER HANNS ERNST ET AL) 15 May 2001 (2001-05-15)<br>cited in the application<br>column 1, line 6 - line 63; figures 1-10<br>-----<br>EP 0 825 808 A (MATSUSHITA ELECTRIC IND CO LTD) 25 February 1998 (1998-02-25)<br>----- | 1-5,<br>17-19<br><br>1,17-19 |
| A                     |  |                              |
| A                     |  |                              |

 Further documents are listed in the continuation of box C.

Patent family members are listed in annex.

## \* Special categories of cited documents :

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Date of the actual completion of the International search

Date of mailing of the international search report

29 September 2003

07/10/2003

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| Patent document cited in search report |    | Publication date |  | Patent family member(s)   |  | Publication date   |
|--|----|------------------|--|---|--|--|
| EP 0825807                             | A  | 25-02-1998       |  | DE 69703229 D1<br>DE 69703229 T2<br>EP 0825807 A2<br>JP 3438858 B2<br>JP 10116590 A<br>US 5949192 A |  | 09-11-2000<br>17-05-2001<br>25-02-1998<br>18-08-2003<br>06-05-1998<br>07-09-1999 |
| US 6232725                             | B1 | 15-05-2001       |  | CN 1290471 T<br>WO 0036882 A1<br>EP 1057376 A1<br>JP 2002532866 T<br>TW 490998 B                    |  | 04-04-2001<br>22-06-2000<br>06-12-2000<br>02-10-2002<br>11-06-2002               |
| EP 0825808                             | A  | 25-02-1998       |  | CN 1180985 A<br>DE 69717924 D1<br>EP 0825808 A2<br>JP 3201981 B2<br>JP 10326681 A<br>US 5880561 A   |  | 06-05-1998<br>30-01-2003<br>25-02-1998<br>27-08-2001<br>08-12-1998<br>09-03-1999 |